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M16C Flash Starter User's Manual

R8C/Tiny Series 20PIN Example Circuit

RENESAS SINGLE-CHIP MICROCOMPUTER
M16C Family

Rev.1.20 2006.12.01
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Renesas Solutions Corp.
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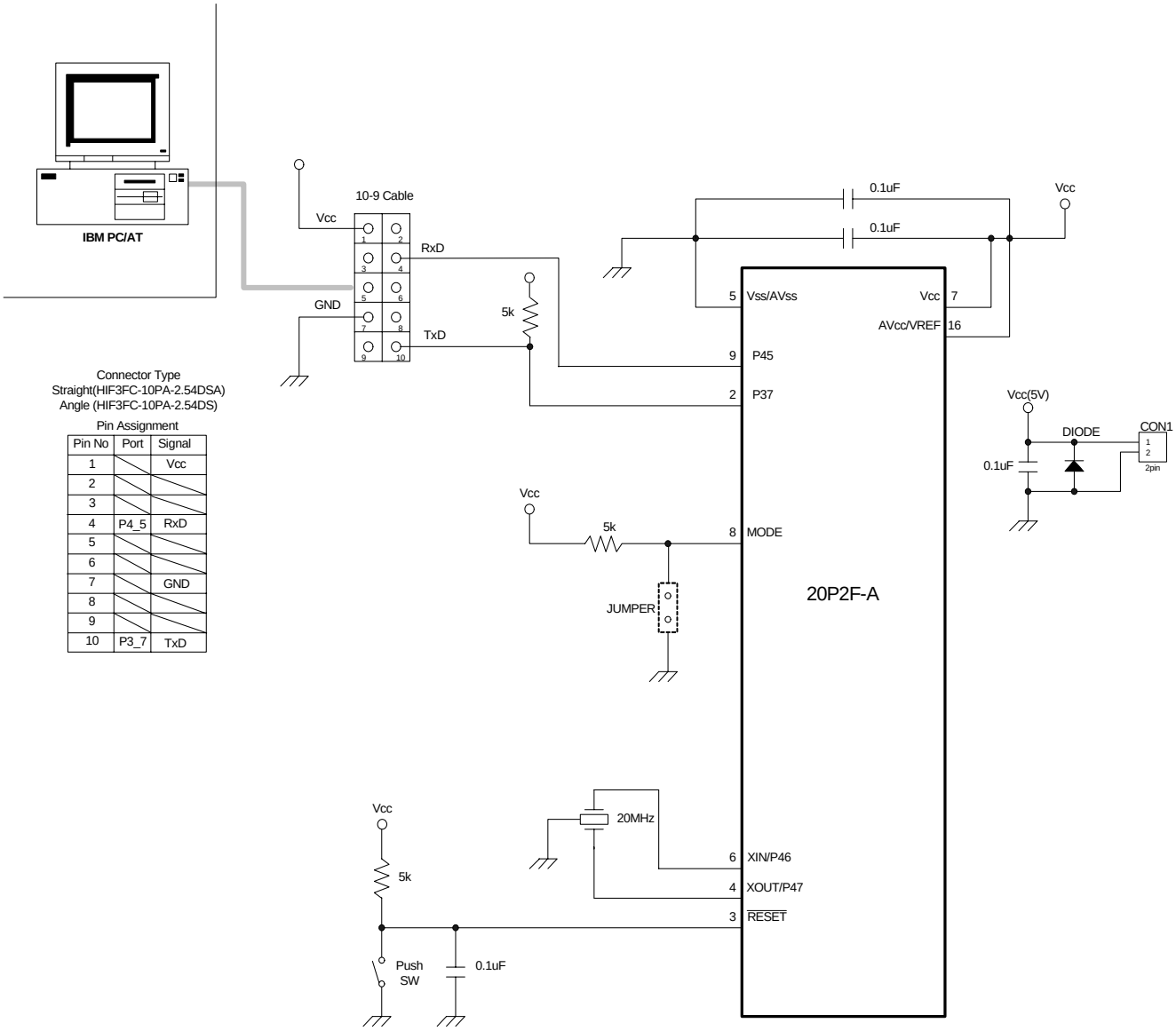
1. Using MF_Ten-Nine Cable

1.1 20P2F-A

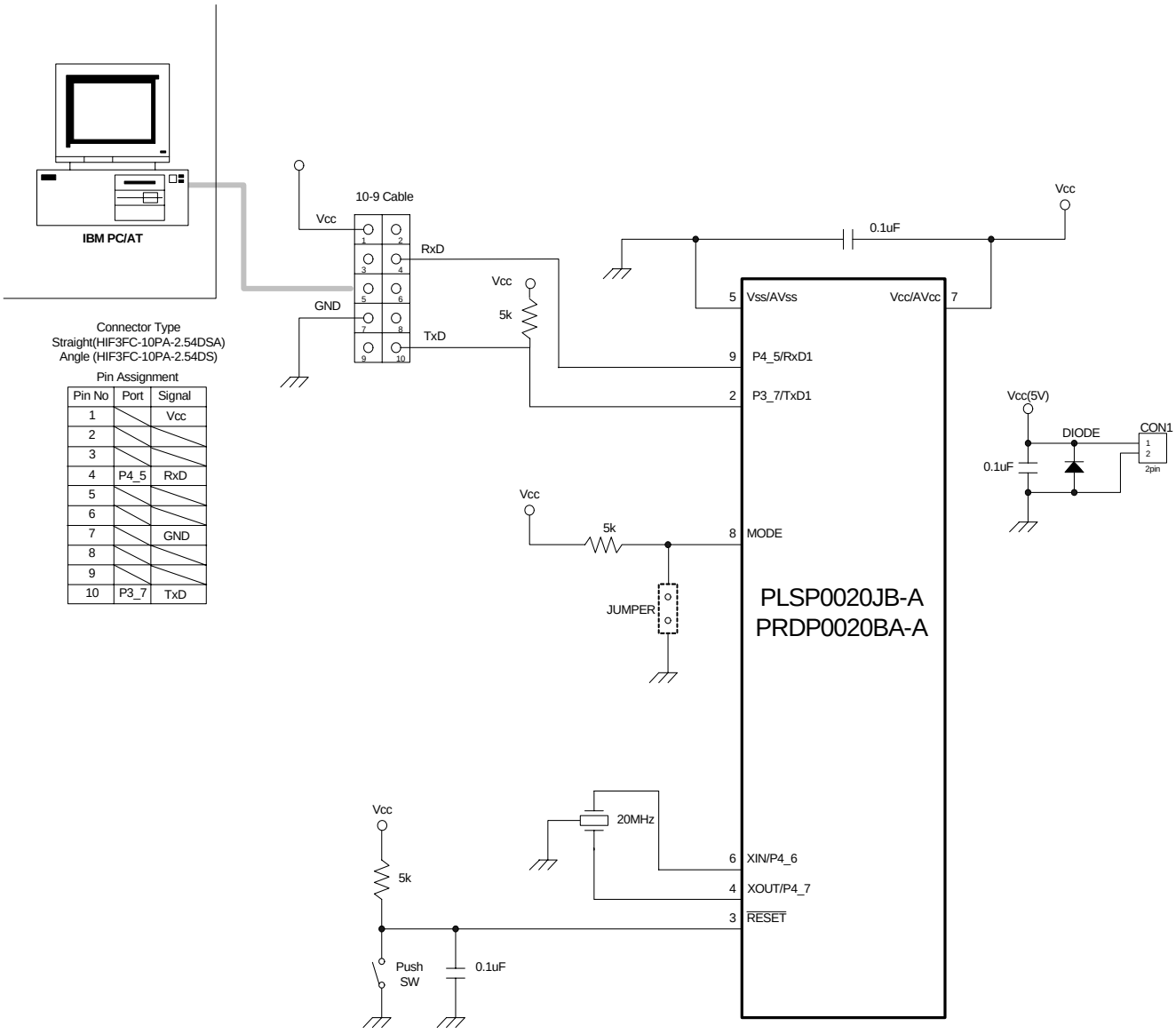


Connector Type
Straight(HIF3FC-10PA-2.54DSA)
Angle (HIF3FC-10PA-2.54DS)

Pin Assignment

Pin No	Port	Signal
1		Vcc
2		
3		
4	P4_5	RxD
5		
6		
7		GND
8		
9		
10	P3_7	TxD

1.2 20JB-A/20BA-A



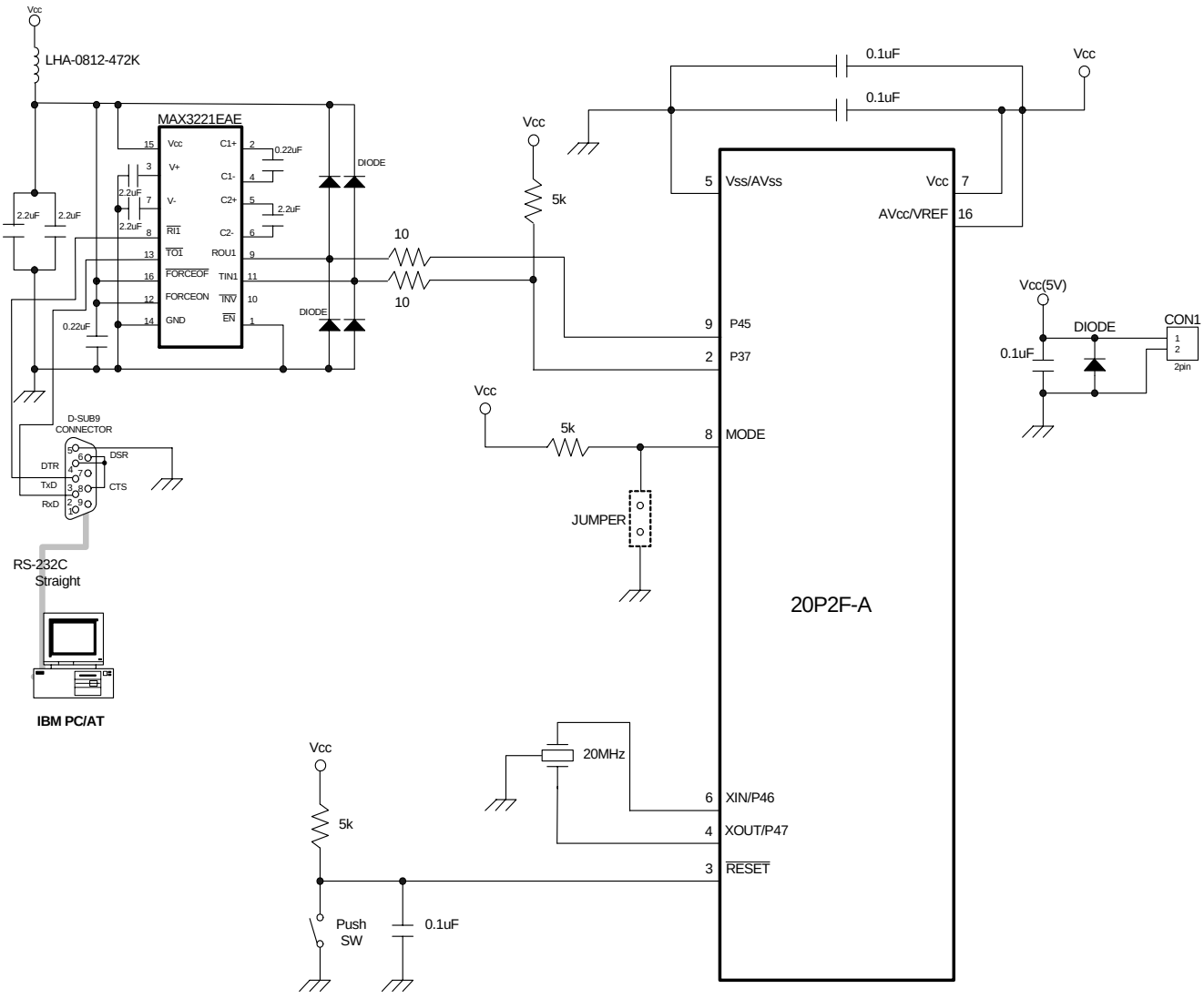
Connector Type
Straight(HIF3FC-10PA-2.54DSA)
Angle (HIF3FC-10PA-2.54DS)

Pin Assignment

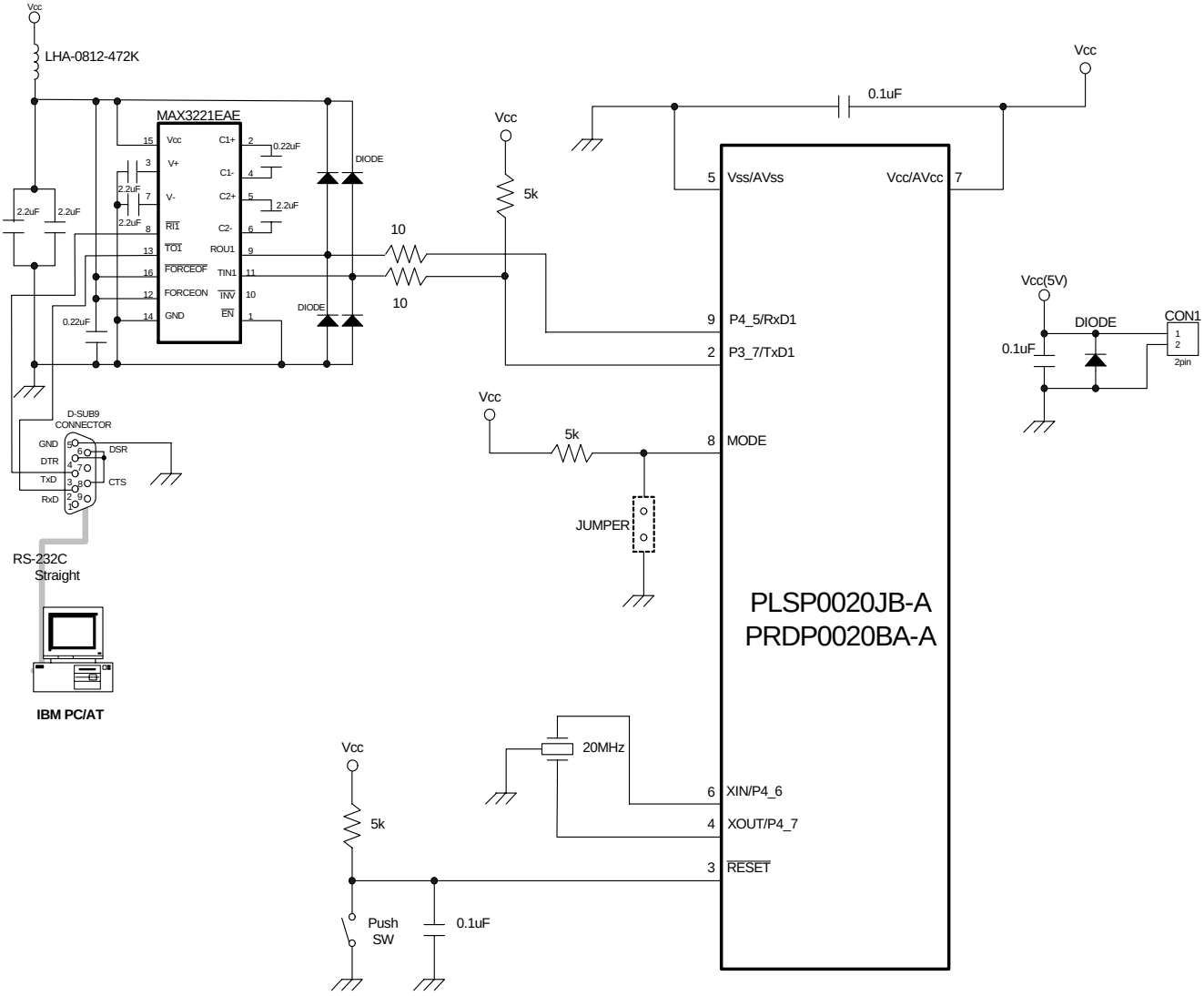
Pin No	Port	Signal
1		Vcc
2		
3		
4	P4_5	RxD
5		
6		
7		GND
8		
9		
10	P3_7	TxD

2. Using RS-232C Cable

2.1 20P2F-A

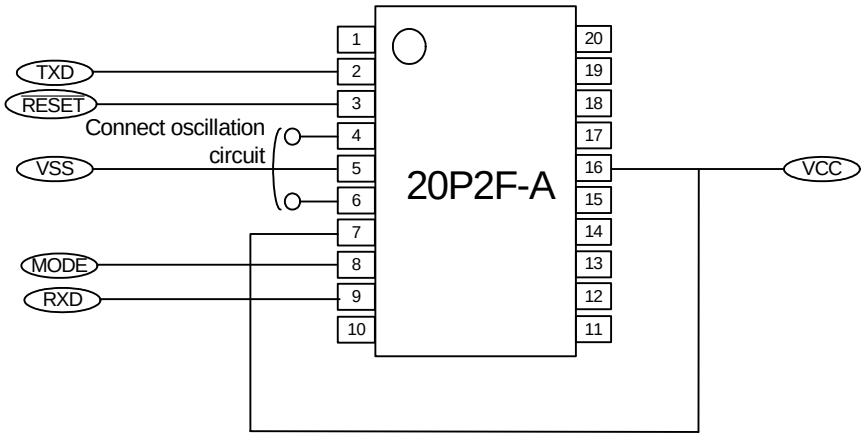


2.2 20JB-A/20BA-A



3. Mode Setting

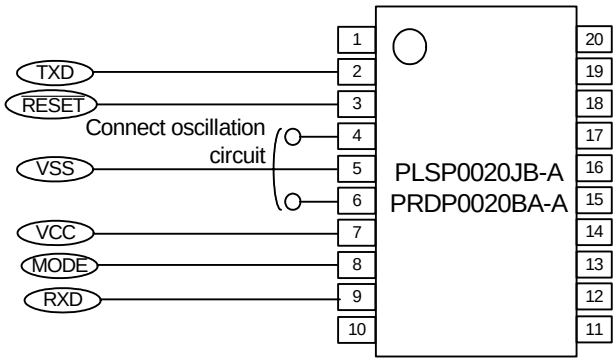
3.1 20P2F-A



Mode setup method

Signal	value
MODE	Vss
$\overline{\text{RESET}}$	Vss → Vcc

3.2 20JB-A/20BA-A



Mode setup method

Signal	value
MODE	Vss
$\overline{\text{RESET}}$	Vss → Vcc

REVISION HISTORY

Rev.	Date	Description	
		Page	Summary
1.00	Jul 30, 2004	-	First edition issued
1.01	Apr 01, 2005	-	Example circuit modified for R8C/Tiny Series 20PIN.
1.10	Feb.01.2006	P3,4	An external pull-up is added to the terminal TxD.
1.20	Dec.01.2006	-	Change to Note

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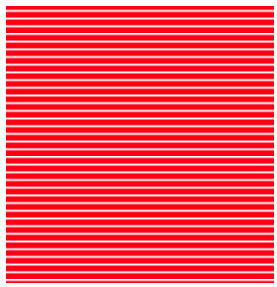

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